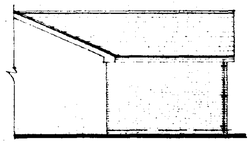
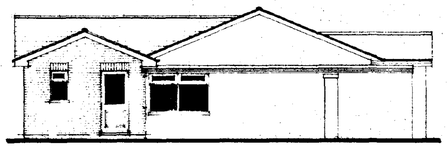


North - East



South - East

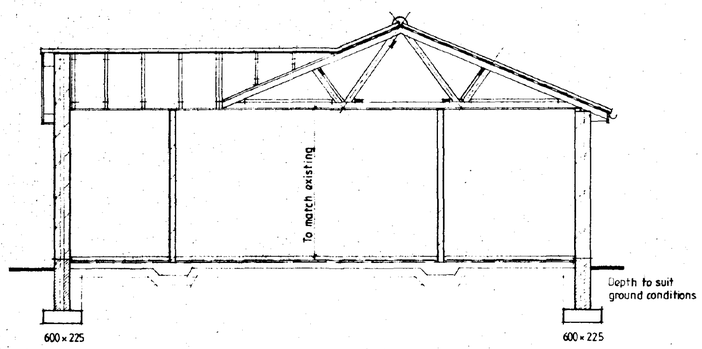


North- West

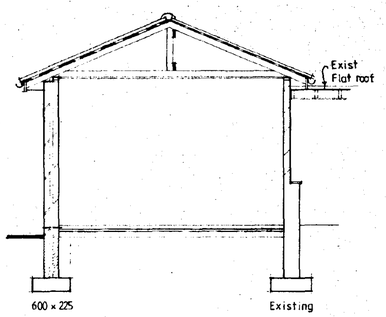
GROUND FLOOR CONSTRUCTION.
Strip all vegetable soil and lay floor as follows: 70mm sand and cement screed with chicken wire reinforcement on 500g polythene D.P.M. on 25mm Celotex GA2025 insulation board, insert 25mm insulation board to perimeter of all oversite on 1200g polythene D.P.M. lapped continuous with D.P.C. by min. 100mm on 100 concrete oversite: Concrete mix ST4 to B.S. 5328 1990: 150 blinded and consolidated hardcore.

FOUNDATIONS.
Under walls as shown provide strip concrete foundations as follows. Under 265 cavity walls provide 225 x 500 all ST4 mix to B.S. 5328 1990.. All foundations taken down to bear on load bearing strata min. depth of 600 to top of foundations: should shrinkable soil conditions be found on site then foundations shall be taken down to a depth of 1 metre below ground level. Where internal walls are taken up off floor then thicken out slab to 225 x 450 or if considered necessary be taken down to 225 x 450 foundation.

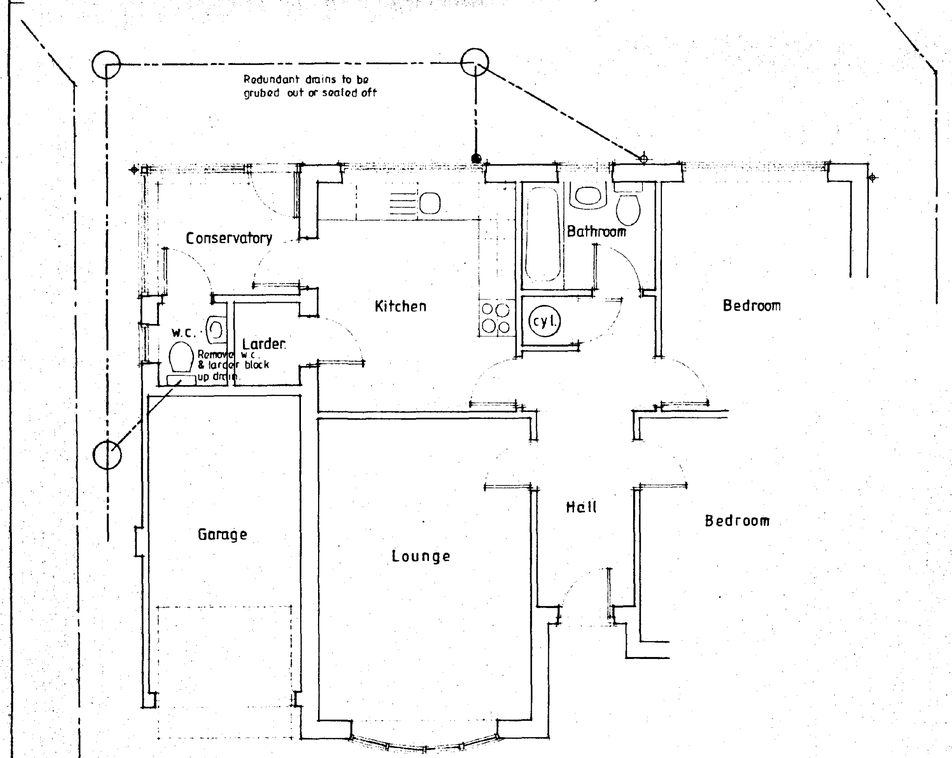
LINTELS.
All lintels to be as manufactured by messrs I.G code L1/S and to be installed in accordance with makers instructions. And to have min. end bearing of 150mm and at external positions to have cavity tray d.p.c to CP.121: Internal lintels to be I.G. 100 Box type.



Section A - A



Section B - B



Plan Existing.

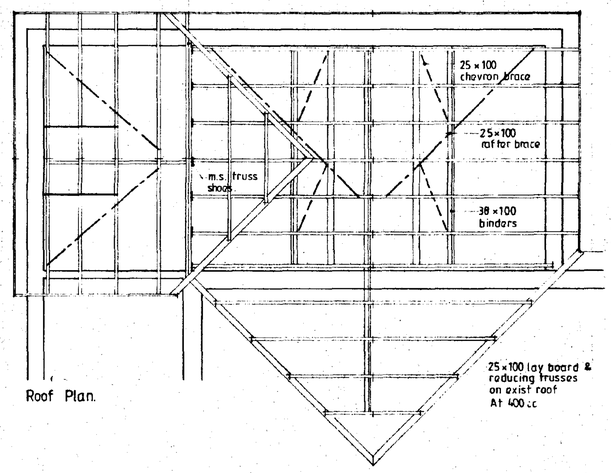
PITCHED ROOF CONSTRUCTION.
Interlocking concrete roof tiles (Redland Stonewold or similar) to B.S.473:550 part 2 1971. on 25 x 38 softwood tanalised battens on underfelt to B.S 747 (type 1F) and in all cases to be lapped by 150mm both vertically and horizontally. Tiles to be laid with min headlap of 75mm and to be fixed in accordance with regard to wind speed, roof pitch and exposure category as detailed in CP3 chapter V part 2 1972. Twinaplate specialist made prefabricated roof trusses to comply with B.S. 5268 part 3 1985. Trusses to be at 600c/c pitch to match existing (approx 22½ deg 38 x 100 ridge node binder 2No 38 x 100 ceiling binders: All trusses to be strapped to wall plate by 30 x 5 galvanised metal straps acting as anchor and lateral restraint straps at max. 1.5m c/c.Note: provide solid beneath straps: 50 x 100 wall plate bedded on sand and cement: 25 x 175 fascia boards: 6mm ext. grade plywood soffit complete with 10mm wide continuous air gap and fly proof screen All structural timber to be min. SC3 grade: Where span of trussed rafter exceeds 5.0m provide additional bracing within the plane of the webb in accordance with Truss Plate Assoc. tech bullstin sheet 4: Timber supports are to be provided beneath water storage tanks over 4No ceiling joists At roof intersections provide 25 x100 lay boards and dimishing trusses at 600 c/c: Install code 4 lead valley liner. Close cavity at plate level.

CEILINGS.
200 mm glassfibre insulation laid between joists: 12.7mm Gyproc "duplex" plasterboard 3mm skim finish: Provide min 38 x 38 noggins to all plasterboard edges. All joints to be taped and filled.

WALLING.
265 cavity walling to consist of face brickwork to B.S.3921:1974 for clay bricks and B.S. 187:1978 for calcium silicate bricks: 65 cavity: build into cavity Rockwool cavity wall batt insulation boarding in accord. with makers instructions and agrement cert' No.83/1087 . 100mm Tarmac Hemelite solid insulation blocks or similar: Cavity walls tied together using galvanised iron twist ties set 900 Horizontally and 450 vertically to B.S. 1243:1978 wall ties positioned at 300 vertical centres at all unbonded closures of cavity: Close cavities with 'Thermabate' preformed closer and provide bitumen felt DPC to C.P.121: External walls to have max 'U' value of 0.45 W/m2 deg. C.: Internal walls of 100mm Tarmac Hemelite solid insulation blocks and to receive 10mm S/C render and 3mm skim. Stud walls to consist of 38 x 100mm studs at 400mm c/c, both sides to be clad with 12.7mm plasterboard and skim. 100mm glassfibre infill between studs.

SUB STRUCTURE WALLING.
100mm dense concrete blocks to B.S.6073 pt1 1981: DPC to external wall positioned in accordance with CP 102 min. 150 above finished ground level: Weak mix concrete infill to base of cavity no closer than 225 to DPC. All brickwork below D.P.C. to be F.L. quality.

Girder truss on class B eng brick padstones.



Roof Plan.

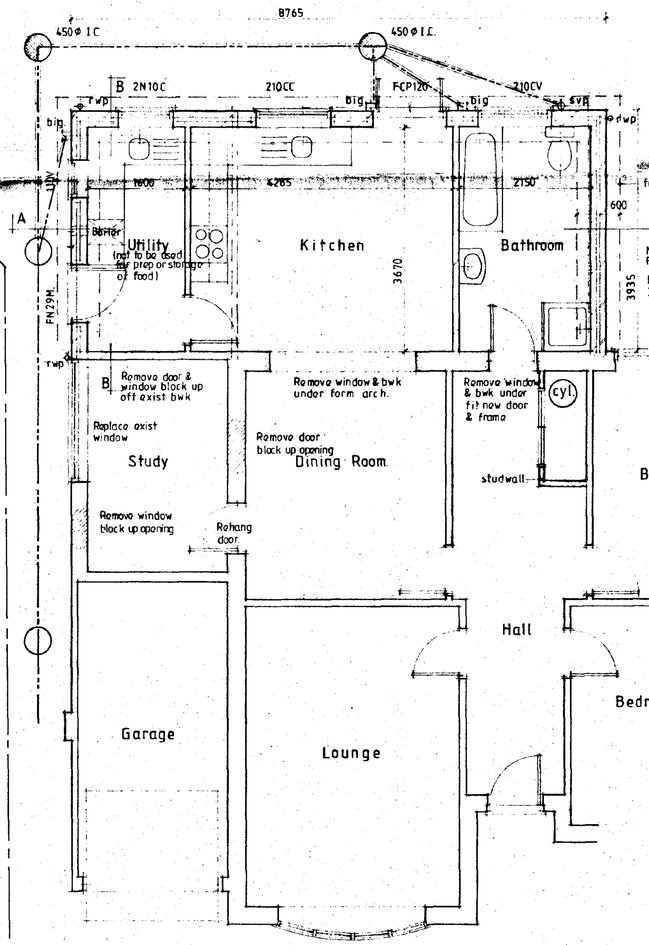
GLAZING.
Double glaze extension throughout excluding garage. All Glazing between f.f.l and 800mm high and between f.f.l. and 1500mm high in doors and side lights to be safety glass to B.S. 6206. Windows & doors U.P.V.C 12mm air gap

VENTILATION
All windows to have opening lights to give the equivalent of 1/20th the floor area. Provide background ventilation to habitable rooms min. 8000mm sq permanent free air ventilation per room. To all other rooms provide min. 4000mm sq. All following rooms to have in addition to above Wall/Window mounted mechanical extractor fan
Kitchen to extract min.60 litres per second. Utility Rooms to extract min. 30 litres per second. Bathrooms to extract min. 15 litres per second which may be operated intermittently. W.C. to extract min 6 litres per second.

HOT WATER AND SPACE HEATING
Gas-fired boiler with balanced flue complete with durable wire guard externally. Provide suitable thermostat to dwelling or fit thermostatic valves to all radiators. Hot water storage system to be vented and all hot water storage tanks and pipes to be insulated to B.R. LI pt 3.

FOUL DRAINAGE.
Inspection chamber construction to be 'Osma' and installed in accordance with makers instructions with the internal diameter related to the depth in accordance with B.S.8301:1985 Foul drainage pipes to be 100mm dia. UPVC. to B.S.4660:1983 Flexibly jointed and laid to makers instructions to a fal. of 1:70 bed and surround with 100mm pea gravel: Provide 65 x 100 prestressed concrete lintol bridging where pipes pass through walls, allow 50mm gap around pipe, opening masked both sides of wall with ridged sheet material: Soil and vent pipes to be 100mm int. dia. PVC to B.S.4514: 1983 and to extend 900mm above window head terminating with PVC balloon. Waste pipes to be 40mm. dia. PVC to B.S.3943:1979 complete with rodding eyes at every change in direction: Baths, basins and sink to have 75 deep seal traps: Shower to be raised on 150mm plinth with access plate to anti-syphon trap and 80mm waste.

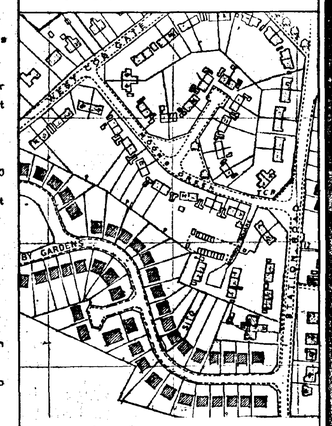
SURFACE WATER DRAINAGE.
115 dia. half round rainwater gutters to 63 dia. rainwater pipes 82.4 dia. underground pipes flexibly jointed to a fall of 1:70 pipes bedded and surrounded in 100 pea gravel and discharge to 1.2m dia. soakaway min. 5.0m from dwelling.



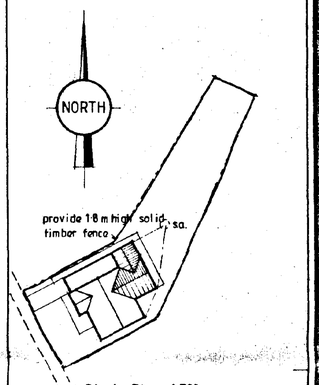
Plan Proposed.

DETERMINED PLAN

Notes & Schedules



Location Plan 1:2500



Block Plan 1:500

AMENDED PLAN

CONTRACTOR TO CHECK ALL DIMENSIONS ON SITE BEFORE WORK COMMENCES
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revision	date	init.	revision details
A	SEPT 95	DC	B & C Fix.
B	OCT 95	DC	1 No. HALVE TO N.W. BOUNDARY

COOPER ARCHITECTURAL DESIGN
BRONAVON HOUSE,GOATI RUFF SPALDING LINCS PE11 2BF
TEL: 0406 422762

client
MR & MRS M. LANGFORD

project
PROPOSED EXTENSION TO BUNGALOW
14 ASHBY GARDENS, MOULTON, SPALDING, LINC'S.

HOUSE
24 OCT 1995
Ref. 0893/95

drawing

scale	drawing no
1:50 1:100	95010 'B'
date	drawn
AUGUST '95.	

SUMMIT D.O.S. 841079